

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference VGEN.019VPC	FOR FURTHER ACTION <small>see Form PCT/ISA/220 as well as, where applicable, Item 5 below.</small>	
International application No. PCT/US2004/003851	International filing date (day/month/year) 11/02/2004	(Earliest) Priority Date (day/month/year) 13/02/2003
Applicant VISIOGEN INC.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 7 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☒ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. 1A

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

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Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

An intraocular lens system (10) adapted to be implanted within an eye includes an anterior optic (20) movable in a forward direction within the eye. The intraocular lens system further includes at least two anterior haptic arms (30), each anterior haptic arm having a first end (32) coupled to the anterior optic and a second end (34) adapted to be coupled to the eye. The intraocular lens system further includes a posterior optic (40) movable in the forward direction within the eye and coupled to the anterior haptic arms. The intraocular lens system further includes at least one posterior haptic member (50) adapted to be coupled to the eye and coupled to the posterior optic. The anterior haptic arms are responsive to a first forward movement of the posterior optic by actuating a second forward movement of the anterior optic substantially larger than the first forward movement.

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61F2/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A61F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/071983 A (ZADNO-AZIZI GHOLAM-REZA ; PHAM HAI-MINH (US); TING ALBERT C (US); N) 19 September 2002 (2002-09-19) page 9, paragraph 93 -page 11, paragraph 98 page 12, paragraph 101 page 13, paragraph 107 page 17, paragraph 122; claim 22; figures 2-4	1-6, 12-14
Y	page 30, paragraph 178 -page 30, paragraph 179	9
A	claim 1	7,9
X	US 4 892 543 A (TURLEY DANA F) 9 January 1990 (1990-01-09) column 3, line 13 -column 4, line 48; claims 1,5; figure 2	1-8, 12-14
A	column 4, line 60 -column 5, line 4 --- -/--	10,11

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

21 July 2004

Date of mailing of the international search report

28/07/2004

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 96/15734 A (ACUITY ISRAEL LIMITED ;ISRAEL HENRY M (IL)) 30 May 1996 (1996-05-30) page 9, line 17 -page 9, line 25; figures 6A,6B -----	9
P,X	WO 03/092552 A (ALCON INC ;PENG QUN (US); YANG YIN (US); ZHANG XIAOXIAO (US)) 13 November 2003 (2003-11-13) abstract	1,3,6-8, 12-14
A	claims 2,26; figures 1-4,19,23,25 -----	10,11
P,X	US 6 616 691 B1 (TRAN SON TRUNG) 9 September 2003 (2003-09-09) column 2, line 35 -column 2, line 49 column 3, line 67 -column 4, line 54; claims 1,2; figures 1-5	1-3,6-8, 12-14
A	column 3, line 40 -column 3, line 43 -----	10,11

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.1

Claims Nos.: 15

Rule 39.1(iv) PCT - Method for treatment of the human or animal body by surgery, as this method implicitly comprises the surgical step of implanting an intraocular lens system into the capsular bag, from which the natural lens is removed. Furthermore, the method must be regarded as treatment by therapy, since it is applied to patients having an aphakic eye which is a pathological condition (see e.g. description p. 4, 21)

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Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 15
because they relate to subject matter not required to be searched by this Authority, namely:
see FURTHER INFORMATION sheet PCT/ISA/210
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of Item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/US2004/003851

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 02071983	A	19-09-2002	US 2002107568 A1	08-08-2002
			US 2002138141 A1	26-09-2002
			US 2002111678 A1	15-08-2002
			US 2002116057 A1	22-08-2002
			US 2002116061 A1	22-08-2002
			US 2002116059 A1	22-08-2002
			US 2002116060 A1	22-08-2002
			US 2002116058 A1	22-08-2002
			US 2002173847 A1	21-11-2002
			CA 2435907 A1	19-09-2002
			EP 1353611 A1	22-10-2003
			WO 02071983 A1	19-09-2002
			US 2003074061 A1	17-04-2003
			US 2003078656 A1	24-04-2003
			US 2003074060 A1	17-04-2003
			US 2003078657 A1	24-04-2003
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US 4892543	A	09-01-1990	NONE	
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WO 9615734	A	30-05-1996	IL 111713 A	10-02-2002
			AT 218308 T	15-06-2002
			AU 4363996 A	17-06-1996
			DE 69526962 D1	11-07-2002
			DE 69526962 T2	06-02-2003
			DE 793460 T1	12-03-1998
			EP 0793460 A1	10-09-1997
			WO 9615734 A2	30-05-1996
			US 6013101 A	11-01-2000
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WO 03092552	A	13-11-2003	US 2003204254 A1	30-10-2003
			WO 03092552 A1	13-11-2003
			US 2003204255 A1	30-10-2003
			US 2003204256 A1	30-10-2003
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US 6616691	B1	09-09-2003	NONE	